

Serial No.: 10/690,460 Preliminary Amendment to Claims  
Art Unit: 3637

1-14. (Cancelled)

15.(New Claim) A stucco wall structure for a building, comprising:

a wall substrate arranged for receipt of subsequent layers of surface material;

a peripheral screed arrangement disposed on said wall substrate to provide dimensional and finish guidance to subsequent layers of material of said wall structure;

a sprayed-on coating of urethane onto said wall substrate to insure continuous bonding and adherency to between said substrate and said urethane;

a first layer of polymer-based base coat and mesh covering said sprayed-on coating of urethane to provide anchoring and adhesion of a subsequent layer of material; and

an outer layer of stucco applied over said first layer of polymer-based base coat as a final coat thereon;, wherein said sprayed-on coating of foam is thicker than said screed for subsequent trimming thereof to a finished thickness.

16. (New Claim) The stucco wall structure as recited in claim 15, wherein said first layer of polymer-based base coat and mesh is about 1/8 inch thick.
17. (New Claim) The stucco wall structure as recited in claim 15, wherein said final layer of stucco is about 1/4 inch thick.
18. (New Claim) The wall structure as recited in claim 15, wherein said wall structure has a peripheral margin and an opening margin, wherein a screed is placed around said margin to facilitate interlocking said sprayed-on foam thereto.
19. (New Claim) The wall structure as recited in claim 15, wherein said screed is of "L" shape in cross-section.
20. (New Claim) The wall structure as recited in claim 15, wherein said screed is of "J" shape in cross-section.

21. (New Claim) The wall structure as recited in claim 15, wherein said outer layer of stucco is comprised of a thin sheet of brick face.
22. (New Claim) A method of insulating and finishing a vertical wall structure which is impervious to water, comprising the steps of:
- cleaning a surface of said wall structure to be treated;
  - applying a screed arrangement having a certain thickness, to the peripheral margins of said surface of said wall to be treated;
  - spraying a urethane foam directly onto said surface of said wall structure defined within said screed arrangement;
  - applying a first coat of polymer enhanced base coat and mesh onto said sprayed-on coat of urethane foam; and
  - applying a stucco finish material onto said sprayed layer of urethane foam and said first coat of polymer-based base coat and mesh beyond said thickness of said screed.

23. (New Claim) The method as recited in claim 22, including the step of:

vacuum planning said sprayed-on coat of urethane foam with an elongated vacuum planer prior to application of said first coat of polymer-based base coat and mesh to said thickness of said screed.

24. (New Claim) The method as recited in claim 22, including the step of:

guiding said vacuum planer at one end thereof, by riding said planer on said screed, to facilitate the proper thickness planning of said urethane foam.